UNION CARBIDE

NUCLEAR DIVISION

INTERNAL CORRESPONDENCE

March 16, 1983

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Radioactive Effluent Data

Radioactive effluent data for each Nuclear Division facility were trans-
mitted to DOE by Mr. Hibbs' letter of March 14, 1983. These data were
provided in accordance with the requirements set forth in DOE Order
5484.1 and consisted of summary information and data forms for subsequent
transfer of the data to computer cards. A summary of total releases by
facility is attached for your information and consideration.

R. G. Jordan, 9704-2, MS-21, Y-12

RGJ:cm

Attachment

cc/att: P. C. Fourney, 9704-2, MS-5, Y-12
         R. F. Hibbs, 9704-2, MS-4, Y-12
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         File - RGJ - NoRC

Radioactive Effluent Releases

1981 - 1982

	Liquid		Gaseous		
	1981	1982		1981	1982

ORNL

	Liquid 1981	Liquid 1982		Gaseous 1981	Gaseous 1982
Cs-137	0.23 Ci	1.45 Ci	I-131	< 0.5 Ci	< 0.13 Ci
Co-60	0.66 Ci	0.96 Ci	Xe-133	< 32,400 Ci	< 57,100 Ci
H-3	2,880 Ci	5,370 Ci	Kr-85	< 6,600 Ci	< 11,740 Ci
I-131	0.04 Ci	0.06 Ci	H-3	11,300 Ci	19,000 Ci
Ru-106	0.1 Ci	0.21 Ci	UN-ID-Alpha*	$< 7.8 \times 10^{-8}$ Ci	$< 2.67 \times 10^{-6}$ Ci
Sr-90	1.51 Ci	2.74 Ci			
Transuranics	0.04 Ci	0.034 Ci			

ORGDP

	Liquid 1981	Liquid 1982		Gaseous 1981	Gaseous 1982
U	544 Kg	113 Kg	U	2.5 Kg	1.8 Kg
Tc-99	3.5 Ci	1.7 Ci	Tc-99	0.04 Ci	0.025 Ci
NP-237	2.1×10^{-3} Ci	1.9×10^{-3} Ci	Kr-85	25 Ci	ND**

PGDP

	Liquid 1981	Liquid 1982		Gaseous 1981	Gaseous 1982
U	305 Kg	172 Kg	U	119 Kg	305 Kg
Tc-99	2.8 Ci	0.72 Ci	Tc-99	0.006 Ci	0.009 Ci

Y-12

	Liquid 1981	Liquid 1982		Gaseous 1981	Gaseous 1982
U	368 Kg	636 Kg	U	1.8 Kg	1.9 Kg
Th-232	72 Kg	82 Kg			

*Unidentified alpha emitters
**None Detected